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CURRENT FISHERIES STATISTICS NO. 6102

Industrial Fishery Products, 1972

ANNUAL SUMMARY (Preliminary)

Washington D.C.
April 6, 1973

U.S. DEPARTMENT OF COMMERCE / National Oceanic and Atmospheric Administration
National Marine Fisheries Service

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Source of data:--Since 1921, the National Marine Fisheries Service of the National Oceanic and Atmospheric Administration and its predecessor organizations have made annual surveys for statistics on the domestic production of industrial fishery products. The data collected include statistics on the production and value of each commodity. The value shown for the products constitutes the gross amount received by the producer at production point; no deductions are made for commission or expenses.

REVIEW

The 1972 production of industrial fishery products in the United States, American Samoa and Puerto Rico was valued at $156.2 million--an increase of $49.7 million compared with 1971. Most of this increase was attributable to a sharp increase in the value of miscellaneous industrial fishery products. In terms of value, the leading producing State was California ($78 million), followed by Louisiana ($26 million), and Virginia ($16 million).

Marine animal scrap and meal. The 1972 production of 285,486 tons declined more than 7,000 tons compared with the 1971 production of 292,812 tons, but was still the second highest recorded since 1962. Menhaden meal (193,580 tons) accounted for 67.8 percent of the total meal production. Landings of menhaden used for reduction at Gulf ports were almost 500 million pounds less than the record 1.6 billion pounds landed in 1971. Although landings at Gulf ports declined, landings at Atlantic Coast ports increased by 220.3 million pounds in 1972.

Imports of fish meal in 1972 were 392,000 tons, 38.4 percent greater than the 283,200 tons imported in 1971 and accounted for 57.9 percent of the total supply.

The total supply of fish meal (imports plus domestic production) for use in this country in 1972 was 677,400 tons.

Marine animal oil. The domestic production of marine animal oils was 188.4 million pounds, 77.0 million pounds less than the 265.4 produced in 1971. Menhaden oil totaled 167.0 million pounds in 1972 and accounted for 88.6 percent of total production. U.S. exports of domestic fish oils were 193.2 million pounds in 1972--down 36.7 million pounds from 1971.

Fish solubles. The 1972 production of fish solubles was 134,404 tons, 20.9 percent above the 1971 production of 111,188 tons. Menhaden solubles comprised 104,086 tons of the total in 1972.

Other industrial products. Oyster shell products were valued at $4.2 million in 1972 compared with $4.1 million in 1971. Other industrial items produced in 1972 included agar-agar, animal feeds, crab and clam shells processed for serving food, fish feed pellets, Irish moss extracts, kelp products, leather products, liquid fertilizer, mussel shell novelties, and pearl essence. These items were valued at $84.6 million in 1972 compared with $32.0 million in 1971--an increase of $52.6 million. A marked increase in the value of kelp products was responsible for most of this increase in the total value of miscellaneous industrial products.

SUMMARY OF PRODUCTION, BY PRODUCTS, 1972

PRODUCTS	PLANTS	UNIT OF QUANTITY	QUANTITY	VALUE
	NUMBER			DOLLARS
MARINE ANIMAL SCRAP AND MEAL	102	TONS	285,486	48,285,133
MARINE ANIMAL OILS, BODY	50	THOUSAND POUNDS	188,445	13,116,884
FISH SOLUBLES	24	TONS	134,404	5,968,598
OYSTER SHELL GRIT AND LIME ("LIVE AND REEF SHELLS")	6	TONS	221,711	4,209,955
MISCELLANEOUS INDUSTRIAL PRODUCTS	35	-	-	84,636,071
TOTAL	1/122	-	-	156,216,641

1/ EXCLUSIVE OF DUPLICATION.

VALUE OF PRODUCTION, BY STATES, 1972

STATE	DOLLARS
MAINE	12,542,107
MASSACHUSETTS	1,556,404
NEW JERSEY AND PENNSYLVANIA	3,531,000
MARYLAND	1,372,724
VIRGINIA	15,682,134
NORTH CAROLINA	3,168,098
GEORGIA, ALABAMA, AND FLORIDA	2,453,097
MISSISSIPPI	5,078,603
LOUISIANA	25,537,742
TEXAS, IOWA, MICHIGAN, AND WISCONSIN	1,308,579
WASHINGTON	2,703,166
OREGON	817,242
CALIFORNIA	78,124,650
AMERICAN SAMOA AND PUERTO RICO	2,341,095
TOTAL	156,216,641

PLANTS PRODUCING INDUSTRIAL FISHERY PRODUCTS, 1972

AREA AND STATE	PLANTS
	NUMBER
NEW ENGLAND:	
MAINE	9
MASSACHUSETTS	3
TOTAL	12
MIDDLE ATLANTIC:	
NEW JERSEY	4
PENNSYLVANIA	1
TOTAL	5
CHESAPEAKE:	
MARYLAND	4
VIRGINIA	8
TOTAL	12
SOUTH ATLANTIC AND GULF:	
NORTH CAROLINA	12
GEORGIA	1
FLORIDA	3
ALABAMA	1
(CONTINUED)	

AREA AND STATE	PLANTS
	NUMBER
SOUTH ATLANTIC AND GULF (CONTINUED):	
MISSISSIPPI	6
LOUISIANA	28
TEXAS	1
TOTAL	52
GREAT LAKES:	
MICHIGAN	1
WISCONSIN	1
TOTAL	2
MISSISSIPPI RIVER, IOWA	2
PACIFIC COAST:	
WASHINGTON	9
OREGON	6
CALIFORNIA	16
TOTAL	31
AMERICAN SAMOA	2
PUERTO RICO	4
GRAND TOTAL	122

NOTE:--LISTS OF MANUFACTURERS OF INDUSTRIAL FISHERY PRODUCTS BY INDIVIDUAL COMMODITIES MAY BE OBTAINED FROM U.S. DEPARTMENT OF COMMERCE, NATIONAL MARINE FISHERIES SERVICE, STATISTICS AND MARKET NEWS DIVISION, 3300 WHITEHAVEN STREET, N.W., WASHINGTON, D.C. 20235.

PRODUCTION OF MARINE ANIMAL SCRAP AND MEAL, 1972

PRODUCTS	ATLANTIC AND GULF COASTS		PACIFIC COAST AND TERRITORIES		TOTAL	
	TONS	DOLLARS	TONS	DOLLARS	TONS	DOLLARS
DRIED SCRAP AND MEAL:						
ANCHOVY	-	-	11,134	1,891,629	11,134	1,891,629
CRAB	1/10,567	1/577,684	-	-	10,567	577,684
HERRING, SEA	1/5,467	1/1,158,490	-	-	5,467	1,158,490
MENHADEN	193,580	35,293,566	-	-	193,580	35,293,566
SHRIMP	1/813	1/43,045	-	-	813	43,045
THREAD HERRING	2,787	524,470	-	-	2,787	524,470
TUNA AND MACKEREL	-	-	2/43,226	2/5,483,877	43,226	5,483,877
UNCLASSIFIED	3/16,867	3/3,104,412	1,045	207,960	17,912	3,312,372
TOTAL	230,081	40,701,667	55,405	7,583,466	285,486	48,285,133

1/ INCLUDES QUANTITIES PRODUCED ON THE PACIFIC COAST. 2/ INCLUDES QUANTITIES PRODUCED ON THE EAST COAST.
3/ INCLUDES QUANTITIES PRODUCED IN THE GREAT LAKES AND MISSISSIPPI RIVER AREAS.

PRODUCTION OF MARINE ANIMAL OIL, 1972

PRODUCTS	ATLANTIC AND GULF COASTS		PACIFIC COAST AND PUERTO RICO		TOTAL	
	THOUSAND POUNDS	DOLLARS	THOUSAND POUNDS	DOLLARS	THOUSAND POUNDS	DOLLARS
BODY OIL:						
ANCHOVY	-	-	4,372	234,375	4,372	234,375
HERRING, SEA	1/5,064	1/480,625	-	-	5,064	480,625
MENHADEN	166,956	11,563,486	-	-	166,956	11,563,486
TUNA AND MACKEREL	-	-	5,030	272,114	5,030	272,114
UNCLASSIFIED	2/5,876	2/489,523	1,147	76,761	7,023	566,284
TOTAL	177,896	12,533,634	10,549	583,250	188,445	13,116,884

1/ INCLUDES QUANTITIES PRODUCED ON THE PACIFIC COAST. 2/ INCLUDES QUANTITIES PRODUCED IN THE GREAT LAKES, MISSISSIPPI RIVER AND UNCLASSIFIED LIVER OILS.

NOTE:--TO CONVERT POUNDS OF OIL TO GALLONS, DIVIDE BY 7.75.

PRODUCTION OF FISH SOLUBLES, 1972

PRODUCT, STATE, AND NUMBER OF PLANTS	TONS	DOLLARS
FISH SOLUBLES:		
MASSACHUSETTS (1), NEW JERSEY (1), VIRGINIA (2) AND FLORIDA (1)	52,858	2,125,965
NORTH CAROLINA (3)	5,302	328,374
MISSISSIPPI (3)	11,284	424,132
LOUISIANA (8)	36,760	1,523,633
CALIFORNIA (4), AND OREGON (1)	28,200	1,566,494
TOTAL (24)	134,404	5,968,598

NOTE:--INCLUDES MENHADEN SOLUBLES.

PRODUCTION OF MENHADEN PRODUCTS, 1972

STATE AND NUMBER OF PLANTS	DRIED SCRAP AND MEAL		OIL		SOLUBLES		TOTAL
	TONS	DOLLARS	POUNDS	DOLLARS	TONS	DOLLARS	DOLLARS
MASSACHUSETTS (1), NEW JERSEY (1), VIRGINIA (2), AND FLORIDA (1)	71,326	13,101,358	46,197,541	3,638,766	50,740	1,959,155	18,699,279
NORTH CAROLINA (4)	8,986	1,700,486	1,141,722	85,162	5,302	328,374	2,114,022
MISSISSIPPI (3)	18,862	3,437,435	14,808,375	998,236	11,284	424,132	4,859,803
LOUISIANA (8)	94,406	17,054,287	104,808,543	6,841,322	36,760	1,523,633	25,419,242
TOTAL (20)	193,580	35,293,566	166,956,181	11,563,486	104,086	4,235,294	51,092,346

NOTE:--INCLUDES A SMALL QUANTITY OF OTHER SPECIES.

PRODUCTION OF OYSTER SHELL PRODUCTS, 1972

("LIVE AND REEF SHELLS")

STATE AND NUMBER OF PLANTS	POULTRY GRIT		LIME, BURNED AND UNBURNED		TOTAL	
	TONS	DOLLARS	TONS	DOLLARS	TONS	DOLLARS
PENNSYLVANIA (1), MARYLAND (1), VIRGINIA (1) ALABAMA (1), TEXAS (1), AND OREGON (1)	212,189	4,048,004	9,522	161,951	221,711	4,209,955

PRODUCTION OF MISCELLANEOUS INDUSTRIAL FISHERY PRODUCTS, 1972

PRODUCT	STATE AND NUMBER OF PLANTS	DOLLARS
AGAR-AGAR	CALIFORNIA (1)	
ANIMAL FEEDS AND FISH FEED PELLETS	CALIFORNIA (3), MASSACHUSETTS (1), MICHIGAN (1), OREGON (3), VIRGINIA (1) AND WASHINGTON (6)	
CLAM AND CRAB SHELLS (PROCESSED FOR FOOD SERVING)	MISSISSIPPI (3) AND NORTH CAROLINA (1)	84,636,071
IRISH MOSS EXTRACTS	MAINE (2)	
KELP PRODUCTS	CALIFORNIA (3)	
LEATHER PRODUCTS	NEW JERSEY (1)	
LIQUID FERTILIZER	CALIFORNIA (1) AND OREGON (1)	
MARINE PEARL SHELL BUTTONS	NEW JERSEY (2)	
MUSSEL SHELL NOVELTIES	IOWA (1)	
MUSSEL SHELL GRIT	IOWA (1)	
PEARL ESSENCE	MAINE (5)	

NUMBER OF PLANTS PRODUCING INDUSTRIAL FISHERY PRODUCTS, 1972

PRODUCTS	ATLANTIC AND GULF COASTS 1/	PACIFIC COAST 2/	TOTAL
	NUMBER		
SCRAP AND MEAL, DRIED:			
ALEWIFE	3	-	3
ANCHOVY	-	6	6
CARP	1	-	1
CRAB	11	2	13
GROUNDFISH	1	-	1
HAKE	-	1	1
HERRING, SEA	2	1	3
MENHADEN	19	-	19
MULLET	3	-	3
SALMON	-	1	1
SHRIMP	21	1	22
THREAD HERRING	7	-	7
TUNA AND MACKEREL	1	12	13
UNCLASSIFIED	7	2	9
OIL:			
BODY:			
ALEWIFE	3	-	3
ANCHOVY	-	6	6
CARP	1	-	1
HAKE	-	1	1
HERRING, SEA	2	1	3
MENHADEN	19	-	19
SALMON	-	2	2
THREAD HERRING	2	-	2
TUNA AND MACKEREL	-	7	7
LIVER	1	-	1
UNCLASSIFIED	4	2	6
SHELL PRODUCTS:			
CLAM SHELLS PROCESSED FOR FOOD SERVING	1	-	1
CRAB SHELLS PROCESSED FOR FOOD SERVING	3	-	3
MARINE PEARL SHELL BUTTONS	2	-	2
MUSSEL SHELL NOVELTIES	1	-	1
MUSSEL SHELL GRIT	1	-	1
OYSTER SHELL:			
CRUSHED SHELL FOR POULTRY FEED	4	1	5
SHELL LIME (BURNED AND UNBURNED)	2	1	3
SEAWEED PRODUCTS:			
AGAR-AGAR	-	1	1
IRISH MOSS EXTRACTS	2	-	2
KELP PRODUCTS	-	3	3
MISCELLANEOUS:			
ANIMAL FEEDS	3	10	13
FISH FEED PELLETS	-	2	2
FISH SOLUBLES	19	5	24
LEATHER PRODUCTS	1	-	1
LIQUID FERTILIZER	-	2	2
PEARL ESSENCE	5	-	5
TOTAL, EXCLUSIVE OF DUPLICATION	87	35	122

1/ INCLUDES FIRMS IN THE GREAT LAKES AND MISSISSIPPI RIVER AREAS.
2/ INCLUDES PUERTO RICO AND AMERICAN SAMOA.

PRODUCTION OF INDUSTRIAL FISHERY PRODUCTS, 1951-72

YEAR	MENHADEN DRIED SCRAP AND MEAL		HERRING MEAL		SARDINE (PACIFIC) MEAL	
	TONS	DOLLARS	TONS	DOLLARS	TONS	DOLLARS
1951. . . .	115,426	13,877,636	9,631	1,370,083	17,225	2,266,968
1952. . . .	143,968	17,844,511	9,864	1,314,361	390	51,741
1953. . . .	174,752	21,767,205	5,206	717,472	144	18,966
1954. . . .	183,091	23,783,364	6,973	928,862	6,513	842,649
1955. . . .	190,628	25,457,512	7,671	1,163,464	6,966	968,908
1956. . . .	210,582	27,439,634	11,298	1,562,622	2,809	369,867
1957. . . .	172,388	21,725,888	13,891	1,861,961	1,474	183,330
1958. . . .	158,074	20,698,929	10,277	1,457,982	10,756	1,390,200
1959. . . .	223,893	26,391,987	11,963	1,589,237	2,927	323,999
1960. . . .	218,423	19,201,716	9,151	834,426	3,508	316,463
1961. . . .	247,551	25,852,498	5,268	619,934	2,518	257,171
1962. . . .	239,707	28,249,566	5,095	688,984	702	73,260
1963. . . .	184,205	22,263,320	7,537	856,432	(2)	(2)
1964. . . .	160,349	20,001,220	8,881	1,102,522	(2)	(2)
1965. . . .	175,959	25,869,014	12,932	2,005,617	-	-
1966. . . .	134,954	20,539,455	11,860	1,971,118	-	-
1967. . . .	119,135	15,265,369	9,492	1,328,183	-	-
1968. . . .	143,154	19,534,274	15,411	2,127,988	-	-
1969. . . .	159,493	26,960,278	6,563	1,044,801	-	-
1970. . . .	188,550	34,657,788	6,415	1,174,696	-	-
1971. . . .	220,996	34,952,755	5,189	859,970	-	-
1972. . .	193,580	35,293,566	5,467	1,158,490	-	-

YEAR	TUNA AND MACKEREL MEAL		OTHER MEAL, ACIDULATED, DRIED AND GREEN SCRAP		TOTAL, SCRAP AND MEAL	
	TONS	DOLLARS	TONS	DOLLARS	TONS	DOLLARS
1951. . . .	23,147	3,021,720	44,327	4,837,490	209,756	25,373,897
1952. . . .	21,951	2,892,874	45,230	5,058,167	221,403	27,161,654
1953. . . .	20,029	2,622,631	38,720	4,433,379	238,851	29,559,653
1954. . . .	21,576	2,850,605	38,814	4,348,517	256,967	32,753,997
1955. . . .	23,396	3,120,302	35,841	4,039,282	264,502	34,749,468
1956. . . .	26,266	3,355,069	44,838	5,159,699	295,793	37,886,891
1957. . . .	25,716	3,037,436	50,616	5,783,140	264,085	32,591,755
1958. . . .	25,311	3,185,772	43,722	5,025,696	248,140	31,758,579
1959. . . .	25,380	2,847,204	42,388	4,773,438	306,551	35,925,865
1960. . . .	26,499	2,318,877	32,556	2,610,106	290,137	25,281,588
1961. . . .	21,243	2,056,426	34,685	3,153,807	311,265	31,939,836
1962. . . .	26,559	2,578,761	40,196	3,982,659	312,259	35,573,230
1963. . . .	26,957	2,943,109	37,208	4,172,288	255,907	30,235,149
1964. . . .	21,113	2,229,443	44,909	4,705,673	235,252	28,038,858
1965. . . .	25,399	3,032,063	39,761	4,800,367	254,051	35,707,061
1966. . . .	25,290	3,199,211	51,717	6,566,004	223,821	32,275,788
1967. . . .	25,487	2,757,513	57,075	6,687,219	211,189	26,038,284
1968. . . .	28,781	2,955,047	47,790	5,644,019	235,136	30,261,328
1969. . . .	26,870	3,238,956	59,738	8,578.733	252,664	39,822,768
1970. . . .	26,674	3,753,067	47,558	6,767,716	269,197	46,353,267
1971. . . .	29,287	3,705,977	37,340	4,981,925	292,812	44,500,627
1972. . . .	43,226	5,483,877	43,213	6,349,200	285,486	48,285,133

YEAR	FISH SOLUBLES AND HOMOGENIZED CONDENSED FISH		OYSTER AND MARINE CLAM SHELL LIME AND GRIT		FRESH-WATER MUSSEL SHELL PRODUCTS	MARINE PEARL SHELL BUTTONS
	TONS	DOLLARS	TONS	DOLLARS	DOLLARS	DOLLARS
1951. . . .	50,364	4,128,356	453,319	3,568,745	3,845,661	7,714,846
1952. . . .	70,482	5,979,865	429,348	3,359,024	4,438,545	6,905,104
1953. . . .	81,494	7,344,967	466,732	3,830,276	5,357,849	7,403,894
1954. . . .	115,030	10,591,709	482,687	4,172,518	5,896,153	6,955,096
1955. . . .	110,919	8,354,492	359,565	3,148,658	4,787,020	6,606,363
1956. . . .	128,829	9,989,083	386,200	3,943,621	4,441,702	6,127,940
1957. . . .	122,273	10,218,269	478,568	5,200,589	3,333,369	5,574,892
1958. . . .	130,177	11,518,710	431,171	4,718,786	2,424,569	4,217,522
1959. . . .	165,359	10,043,051	399,338	4,937,182	1,221,142	3,166,190
1960. . . .	98,929	4,020,992	470,825	6,821,034	1/ 577,221	2,675,928
1961. . . .	112,254	5,468,643	442,835	6,341,864	1/ 702,296	2,317,503
1962. . . .	124,649	6,634,748	435,656	5,888,713	1/ 763,773	1,904,488
1963. . . .	107,402	6,753,065	398,583	5,479,819	1/ 369,020	1,151,549
1964. . . .	3/ 93,236	3/ 5,662,194	362,543	4,914,924	1/ 272,281	1,004,344
1965. . . .	3/ 94,850	3/ 5,939,073	349,528	4,558,346	1/ 116,669	900,600
1966. . . .	3/ 83,441	3/ 5,160,371	334,212	4,315,125	(4)	815,595
1967. . . .	3/ 74,675	3/ 4,587,708	311,367	4,144,107	(4)	788,575
1968. . . .	3/ 71,833	3/ 3,706,548	239,798	3,572,487	(4)	1,078,408
1969. . . .	3/ 81,692	3/ 4,123,126	207,332	3,329,118	(4)	841,000
1970. . . .	3/ 94,968	3/ 4,946,385	204,037	3,409,340	-	(5)
1971. . . .	3/111,188	3/ 5,045,989	228,605	4,128,422	-	(5)
1972. . . .	3/134,404	3/ 5,968,598	221,711	4,209,955	-	(5)

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL MARINE FISHERIES SERVICE
Washington, D.C. 20235

OFFICIAL BUSINESS

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE
COM-210

PRODUCTION OF INDUSTRIAL FISHERY PRODUCTS, 1951-72 - Continued

YEAR	MENHADEN OIL		HERRING OIL		SARDINE (PACIFIC) OIL	
	THOUSAND POUNDS	DOLLARS	THOUSAND POUNDS	DOLLARS	THOUSAND POUNDS	DOLLARS
1951. . . .	94,028	9,771,154	11,346	1,205,384	14,569	1,545,937
1952. . . .	96,665	5,785,395	8,115	517,538	157	10,815
1953. . . .	133,684	8,806,317	5,390	360,533	98	6,402
1954. . . .	139,811	9,755,320	5,707	434,347	5,669	420,531
1955. . . .	159,241	12,195,454	8,183	668,681	6,733	521,566
1956. . . .	168,211	14,092,275	13,681	1,141,911	2,530	180,544
1957. . . .	118,484	9,466,198	14,106	1,138,978	656	54,615
1958. . . .	127,986	9,434,108	13,203	882,119	5,556	426,695
1959. . . .	154,712	10,743,781	15,004	988,994	1,409	91,691
1960. . . .	183,403	11,582,027	11,499	668,295	1,201	78,066
1961. . . .	235,167	12,913,447	6,135	416,710	646	36,221
1962. . . .	232,619	10,059,839	5,086	237,897	161	10,442
1963. . . .	167,635	9,853,302	5,709	292,966	-	-
1964. . . .	157,730	11,734,935	10,354	785,155	(2)	(2)
1965. . . .	175,204	13,240,988	8,528	748,336	-	-
1966. . . .	144,198	10,981,557	7,882	585,464	-	-
1967. . . .	101,384	4,736,298	5,676	306,835	-	-
1968. . . .	152,020	6,247,396	9,533	376,018	-	-
1969. . . .	149,155	8,252,716	3,484	217,339	-	-
1970. . . .	186,283	16,833,277	5,437	328,407	-	-
1971. . . .	244,040	19,248,564	5,856	488,388	-	-
1972. . . .	166,956	11,563,486	5,064	480,625	-	-

YEAR	TUNA AND MACKEREL OIL		WHALE AND SPERM OIL		LIVER OIL	
	THOUSAND POUNDS	DOLLARS	THOUSAND POUNDS	DOLLARS	THOUSAND POUNDS	DOLLARS
1951. . . .	5,345	525,552	514	50,200	2,247	2,579,347
1952. . . .	5,586	367,585	-	--	2,074	2,075,014
1953. . . .	4,944	314,586	-	-	1,532	1,436,627
1954. . . .	4,386	243,446	-	-	1,775	1,391,921
1955. . . .	4,087	264,225	-	-	1,642	588,739
1956. . . .	5,290	359,144	2,089	172,703	2,143	625,337
1957. . . .	5,537	397,334	3,276	214,152	1,145	542,031
1958. . . .	4,704	319,183	3,193	219,253	381	234,899
1959. . . .	4,508	190,938	3,910	264,906	247	300,503
1960. . . .	3,819	175,047	3,279	174,559	245	349,813
1961. . . .	5,719	278,160	3,470	242,339	52	54,546
1962. . . .	5,008	235,528	2,567	177,650	44	40,819
1963. . . .	5,903	273,901	2,129	148,416	25	29,070
1964. . . .	4,816	272,178	3,160	195,610	23	24,000
1965. . . .	4,794	333,776	2,667	169,142	(2)	(2)
1966. . . .	4,111	303,320	1,365	81,046	(2)	(2)
1967. . . .	5,218	267,634	2,483	147,434	(2)	(2)
1968. . . .	4,549	162,741	2,394	115,861	(2)	(2)
1969. . . .	4,256	132,172	1,736	103,889	(2)	(2)
1970. . . .	3,534	168,055	680	46,019	(2)	(2)
1971. . . .	4,933	255,233	418	39,588	(2)	(2)
1972. . . .	5,030	272,114	-	-	(2)	(2)

YEAR	OTHER MARINE ANIMAL OIL		TOTAL OIL		OTHER INDUSTRIAL PRODUCTS	GRAND TOTAL
	THOUSAND POUNDS	DOLLARS	THOUSAND POUNDS	DOLLARS	DOLLARS	DOLLARS
1951. . . .	8,243	946,069	136,292	16,623,643	8,057,079	69,313,027
1952. . . .	6,111	635,021	120,708	9,391,368	10,756,071	67,991,631
1953. . . .	6,558	557,441	152,206	11,481,906	9,393,451	74,371,996
1954. . . .	6,637	559,879	163,985	12,805,444	9,252,219	82,427,136
1955. . . .	6,848	629,949	186,734	14,868,614	10,820,787	83,335,402
1956. . . .	7,556	679,758	201,500	17,251,672	12,095,932	91,736,841
1957. . . .	9,411	805,921	152,615	12,619,229	11,662,865	81,380,968
1958. . . .	10,187	816,933	165,210	12,333,190	12,911,693	79,883,049
1959. . . .	7,544	511,163	187,334	13,091,976	13,830,120	82,215,526
1960. . . .	5,697	358,655	209,143	13,386,472	13,831,917	68,595,152
1961. . . .	6,929	431,463	258,118	14,372,886	13,425,946	74,568,974
1962. . . .	4,590	239,233	250,075	11,001,408	13,911,209	75,677,569
1963. . . .	4,426	255,797	185,827	10,853,452	13,759,174	68,601,228
1964. . . .	4,115	285,113	180,198	13,296,991	16,721,404	69,910,996
1965. . . .	4,247	359,952	195,440	14,852,194	20,756,230	82,830,173
1966. . . .	6,489	528,301	164,045	12,479,688	17,925,121	72,971,688
1967. . . .	7,537	653,468	122,398	6,111,569	19,356,446	61,026,789
1968. . . .	5,576	424,675	174,072	7,326,691	24,181,692	70,127,154
1969. . . .	11,154	620,277	169,785	9,326,393	25,562,406	83,004,811
1970. . . .	10,150	808,966	206,084	18,184,724	26,646,033	99,539,749
1971. . . .	10,203	798,734	265,450	20,830,507	32,045,853	106,551,398
1972. . . .	11,395	800,659	188,445	13,116,884	84,636,071	156,216,641

1/ INCLUDES THE VALUE OF NOVELTIES. 2/ INCLUDED IN OTHER MEAL OR OTHER OIL. 3/ HOMOGENIZED CONDENSED FISH WAS NOT PRODUCED AFTER 1963. 4/ INCLUDED WITH MARINE PEARL SHELL BUTTONS. 5/ INCLUDED WITH OTHER INDUSTRIAL PRODUCTS.